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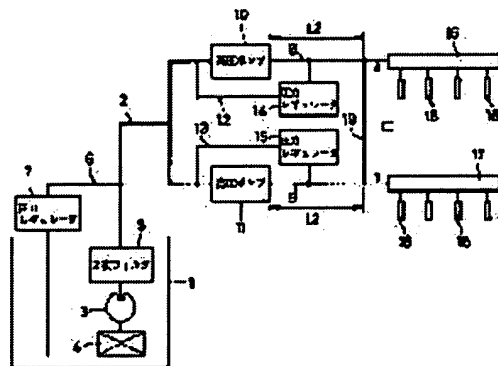
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(54) FUEL INJECTION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce the occurrence of the fluctuation of a fuel pressure in a common rail due to discharge pulsation of a high pressure pump and to stabilize a fuel injection amount.

SOLUTION: First and second high pressure pipings 8 and 9 are connected to a fuel tank 1 through a low pressure piping 2 and the tips of the high pressure pipings 8 and 9 are connected to first and second common rails 16 and 17. High pressure pumps 10 and 11 are arranged at the middles of the high pressure pipings 8 and 9 and fuel in the high pressure pipings 8 and 9 is boosted and fed in the common rails 16 and 17, and fuel is injected in a cylinder by an injection valve 18. A connection piping 19 is connected to the high pressure pipings 8 and 9, the high pressure pumps 10 and 11 are driven at a timing to cancel discharge pulsation with each other, and a fluctuation of a fuel pressure in the common rails 16 and 17 is suppressed.



LEGAL STATUS

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